

120 combination of lytic enzymes, for the treatment of *Pseudomonas*, *Streptococcus*, *Staphylococcus*, or any other of a number of bacteria.

IN THE CLAIMS

Please cancel claims 1-7.

Please add the following claims

-- 8) A pharmaceutical composition for use in the treatment of a streptococcal infection, comprising:

an effective amount of a lysin enzyme genetically coded for by a C1 bacteriophage capable of infecting a group C Streptococcal bacteria, said lysin enzyme characterized by the ability to specifically destroy the cell wall of Group A Streptococci; and
a carrier for delivering said lysin enzyme to a mouth, throat, or nasal passage.

9. The composition according to claim 8, wherein said carrier is selected from the group consisting of candy, chewing gum, lozenge, troche, tablet, powder, aerosol, liquid, liquid spray, nasal sprays and nasal ointments.

10. The composition according to claim 8, further comprising a buffer that maintains pH of the composition at a range between about 4.0 and 9.0.

11. The composition according to claim 10, wherein said buffer maintains the pH of the composition

at range between 5.5 and 7.5.

12. The composition according to claim 10, wherein said buffer comprises a reducing agent.

13. The composition according to claim 12, wherein said reducing agent is dithiothreitol.

14. The composition according to claim 10, wherein said buffer comprises a metal chelating agent.

15. The composition according to claim 14, wherein said metal chelating agent is ethylenediaminetetraacetic disodium salt.

16. The composition according to claim 10, wherein said buffer is a citrate-phosphate buffer.

17. The composition according to claim 8, further comprising a bactericidal or bacteriostatic agent as a preservative.

18. The composition according to claim 8, wherein said lysin enzyme is lyophilized.

19. The composition according to claim 9, wherein said carrier further comprises a sweetener.

20. The composition according to claim 9, wherein said carrier is a candy.

21. The composition according to claim 9, wherein said carrier is a chewing gum.

22. The composition according to claim 9, wherein said carrier is a lozenge.

23. The composition according to claim 9, wherein said carrier is a troche.

24. The composition according to claim 9, wherein said carrier is a powder.

25. The composition according to claim 9, wherein said carrier is an aerosol.

26. The composition according to claim 9, wherein said carrier is a liquid spray.

27. The composition according to claim 9, wherein said carrier is a nasal spray.

28. The composition according to claim 8, wherein said mammal is a human.

29. The composition according to claim 8, wherein said carrier is suitable for delivering said lysin enzyme to the mouth and throat.

30. The composition according to claim 8, wherein said carrier is suitable for delivering said lysin enzyme to the nasal passage.

~~37~~. A pharmaceutical composition for use in the treatment of a streptococcal infection, comprising:
an effective amount of a lysin enzyme genetically coded for by a bacteriophage, said lysin enzyme characterized by the ability to specifically destroy the cell wall of Group A Streptococci;
and
a carrier for delivering said lysin enzyme to a mouth, throat, or nasal passage.

~~38~~. The composition according to claim ³¹~~27~~, wherein said carrier is selected from the group consisting of candy, chewing gum, lozenge, troche, tablet, powder, aerosol, liquid, liquid spray, nasal sprays and nasal ointments.

~~39~~. The composition according to claim ³¹~~27~~, further comprising a buffer that maintains pH of the composition at a range between about 4.0 and 9.0.

~~30~~. The composition according to claim ³²~~28~~, wherein said buffer maintains the pH of the composition at range between 5.5 and 7.5.

~~31~~. The composition according to claim ³¹~~27~~, wherein said lysin enzyme is lyophilized.

~~32~~. The composition according to claim ³¹~~27~~, wherein said carrier further comprises a sweetener.

~~33~~. The composition according to claim ³²~~28~~, wherein said carrier is a candy.

34. The composition according to claim ³²~~28~~, wherein said carrier is a chewing gum.

35. The composition according to claim ³²~~28~~, wherein said carrier is a lozenge.

36. The composition according to claim ³²~~28~~, wherein said carrier is a troche.

37. The composition according to claim ³²~~28~~, wherein said carrier is a powder.

38. The composition according to claim ³²~~28~~, wherein said carrier is an aerosol.

39. The composition according to claim ³²~~28~~, wherein said carrier is a liquid spray.

40. The composition according to claim ³²~~28~~, wherein said carrier is a nasal spray.

41. The composition according to claim ³¹~~27~~, wherein said mammal is a human.

42. The composition according to claim ³¹~~27~~, wherein said carrier is suitable for delivering said lysin enzyme to the mouth and throat.

43. The composition according to claim 8, wherein said carrier is suitable for delivering said lysin enzyme to the nasal passage.